

DYNAMIC MICRO SPEAKER WITH DUAL SUSPENSION

ABSTRACT

5 The invention relates to a micro-speaker with a second suspension made of highly resilient material installed inside of the speaker. The speaker is able to provide high level acoustic output with low distortion rate in a wide frequency range with a very small and slim structure and it may prevent a disconnection of a lead connecting the voice coil and the electrode. The speaker includes a yoke, a permanent magnet, a plate, a vibration plate
10 integrated with a first suspension, a voice coil, a frame and a protector. The speaker further comprises a second suspension made of highly resilient material installed between the plate and the vibration plate, and is characterized in that the voice coil is attached to the lower surface of the second suspension and the vibration plate is attached to the upper surface of the second suspension and the vibration plate is attached to the upper surface of the second
15 suspension and the outer periphery of the second suspension is fixed to the frame.